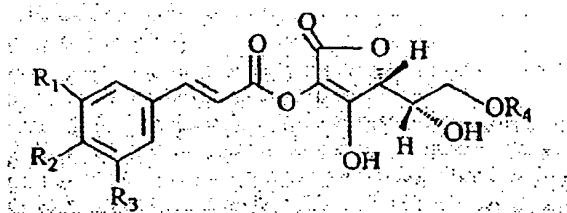


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# CLAIMS

1. Use of at least one compound of formula I

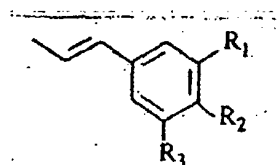


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in which:

R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> independently represent H or a OH, alkoxy, fluoroalkoxy or alkylcarbonyloxy radical, and

20 R<sub>4</sub> represents H or -COR<sub>5</sub>, R<sub>5</sub> representing a linear or branched C<sub>1</sub> to C<sub>20</sub> alkyl radical or the radical of formula:



25 for the preparation of a composition comprising at least one compound of formula I and an acceptable excipient, designed for the treatment of keratinic matter and

mucous membranes by the production of nitric oxide or by an increase of the production of nitric oxide in or on the skin, the mucous membranes or the scalp.

2. Use according to Claim 1, characterized in that the composition is useful for promoting the vascularisation of the skin or mucous membranes.

5 3. Use according to one of the Claims 1 to 2, characterized in that the composition is useful for revascularising psoriatic lesions and/or chronic ulcers.

4. Use according to one of the Claims 1 to 3, characterized in that the composition is useful for limiting pruritus and/or eczema.

10 5. Use according to one of the Claims 1 to 4, characterized in that the composition is useful for protecting the damage caused by ultraviolet radiation, like erythemas.

6. Use according to one of the Claims 1 to 5, characterized in that the composition is useful for modulating the growth of hairs or the hair.

15 7. Use according to one of the Claims 1 to 6, characterized in that the composition is useful for promoting melanogenesis and skin and/or hair pigmentation.

8. Use according to one of the Claims 1 to 7, characterized in that the composition is used to regulate the growth of skin bacteria.

20 9. Use according to one of the Claims 1 to 8, characterized in that the composition is cosmetic and designed to limit hair loss.

10. Use according to one of the Claims 1 to 9, characterized in that the cosmetic composition is useful for modulating the pigmentation of the hair.

25 11. Use according to one of the Claims 1 to 10, characterized in that the cosmetic composition is an anti-age care composition designed to promote the synthesis of collagen and/or designed to limit the deposit of highly cross-linked collagen.

12. Use according to one of the Claims 1 to 11, characterized in that the cosmetic composition is useful in preparations for promoting lipolysis.

30 13. Use according to one of the Claims 1 to 12, characterized in that the cosmetic composition is useful for promoting the regulation of fatty skins.

14. Use according to one of the Claims 1 to 13, characterized in that the

cosmetic composition is useful for promoting the regulation of sweating and associated odours.

15. Use according to one of the Claims 1 to 14, characterized in that the composition is used in cosmetic applications as a myorelaxant.

5 16. Use according to one of the Claims 1 to 8, characterized in that the pharmaceutical composition is useful in a treatment to combat skin mycoses.

17. Use according to one of the Claims 1 to 8 and 16, characterized in that the pharmaceutical composition is useful in a treatment to combat lupus erythematosus.

10 18. Use according to one of the Claims 1 to 8 and 16 or 17, characterized in that the pharmaceutical composition is useful in a treatment to stimulate the microcirculation and/or combat the Raynaud syndrome.

15 19. Use according to one of the Claims 1 to 8 and 16 to 18, characterized in that the pharmaceutical composition is useful in a treatment to prevent or reduce epidermal proliferation.

20. Use according to one of the Claims 1 to 8 and 16 to 19, characterized in that the pharmaceutical composition is useful in a treatment to regulate the immune system.

20 21. Use according to one of the Claims 1 to 8 and 16 to 20, characterized in that the pharmaceutical composition is useful for limiting hair loss and for promoting its regrowth.

22. Use according to one of the Claims 1 to 21, characterized in that the product of formula I is ascorbyl 2-O-cinamate.

25 23. Use for the cosmetic treatment of the organism, for the purpose of producing or increasing the production of nitric oxide in or on the skin, the hair or the mucous membranes of a compound of formula I defined in Claim 1 or 22.

24. Use as NO donor of a compound of formula I defined in Claim 1 or 22.

30 25. Cosmetic treatment procedure comprising applying to the skin, the mucous membranes and/or the scalp or of ingesting a composition containing at least one compound of formula I defined in Claim 1.

26. Procedure according to Claim 25, in which the composition contains at least ascorbyl 2-O-cinnamate.